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4 October 1968

IMAGERY COLLECTION REQUIREMENTS SUBCOMMITTEE OF COMIREX

AGENDA
for

ICRS-M-16 Tuesday, 8 October 1968

Room 1G-38, Headquarters

1. Briefing - Value of Ascending Photography -
2. Approval of Minutes - 24 September Meeting.
3. Satellite Schedule - NRO
4. South China/North Vietnam Priority List.
(ICRS-D-6/18-94, 27 September 1968)
5. Orbit Select Guidance - 1105.
6. Category 14 Targets Paper.
7. Update COMIREX Target File.
8. Other Business.

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NRO review(s) completed.

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Group I
Excluded from automatic down-
grading and declassification

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20 September 1968

IMAGERY COLLECTION REQUIREMENTS SUBCOMMITTEE

AGENDA
for

ICRS-M-15 Tuesday, 24 September 1968

Room 1G-38 Headquarters

1. Approval of Minutes, 17 September meeting.

2. NPIC Briefings:

- a. NPIC Evaluation of CD Experiment -
- b. NPIC Report on Bi-Color -
- c. Value of Ascending Photography -

3. Briefing

4. Satellite Schedule - NRO

5. South China/North Vietnam Priority List
(ICRS-D-6/18-91)

6.

7. Update Target File

8. Other Business

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ICRS-M-14
24 September 1968

IMAGERY COLLECTION REQUIREMENTS SUBCOMMITTEE OF COMIREX

MINUTES OF MEETING

10:00 - 12:30 Tuesday, 17 September 1968

PRESIDING

Deputy Chairman

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MEMBERS PRESENT

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DIA

CONSULTANTS PRESENT

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APPROVAL OF MINUTES

1. Draft minutes of the 3 and 10 September meetings were approved with minor editorial changes.

SATELLITE SCHEDULE

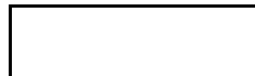
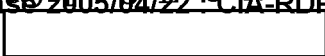
2. reported the satellite schedule as follows:

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CORONA

1048 - 18 Sep 1968
1105 - 30 Oct 1968
1106 - 11 Dec 1968
1049 - 29 Jan 1969
1107 - 12 Mar 1969

SOUTH CHINA/NORTH VIETNAM PRIORITY LIST

3. DIA submitted the weekly report of acceptable data base coverage of high priority targets in North Vietnam. There was no South China coverage during the period. The Kuan Hu Military Area Lei Pei [redacted] was deleted from the priority list based on high resolution coverage which showed this area to be non-military.

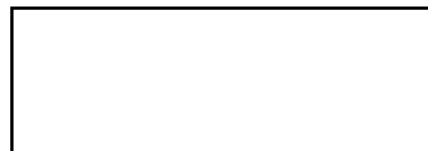
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DELTA III SYSTEM - CUBA

4. [redacted] distributed a DIA proposal for utilization of the Delta III configured GLASS LAMP aircraft over CUBA. In essence DIA proposes that the Delta III system be utilized over Cuba in the 15 September - 15 December 1968 time period to acquire, on a one-time basis, complete coverage of Cuba. This would provide greater detail for overall target analysis as well as provide an update of data base photography on all Cuban COMIREX targets. The proposal stipulates that the USIB requirement for 90 percent area coverage for each 56 day time period would be satisfied without increasing the GLASS LAMP sortie rate. The Committee concurred in the DIA proposal and DIA will instruct SAC accordingly.

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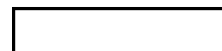
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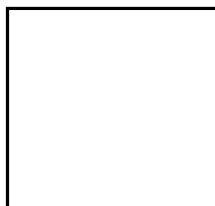
SINO-INDIAN TARGET REVIEW

5. Following recommendations to the Sino-Indian target list were made:

DIA - Deletions



CIA - Inactivations



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These recommendations will be come effective at COB 19 September 1968 unless objections are voiced by any member. /DIA subsequently confirmed they had a continuing interest in the targets which CIA recommended be inactivated, therefore they will be retained./

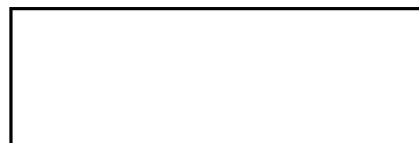
SHORT-ARC TECHNIQUE PAPER

6. The attached memorandum to NPIC requesting an assessment of the impact on the intelligence targets in the event a special MC&G short-arc mission is flown next Summer was approved (Attachment No. 1).

1048 MISSION PRIORITIES

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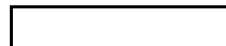
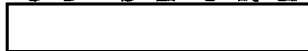
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included in the mission priorities paper and at what priority. After some discussion it was agreed to revalidate the targets contained in the KH-4 domestic target list and consider the question of their inclusion in the priorities list for the next KH-4 mission.

1048 READOUT REQUIREMENTS

8. The ICRS readout requirements for 1048, as reflected in ICRS-D-48/13, 18 September 1968 were approved.

TARGET UPDATES

9. Target updates consisting of 201 Additions
127 Changes
1 Reactivate
1 Delete

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were approved for immediate inclusion in the [redacted] target deck and for inclusion in the permanent file if no objections are voiced by COB 19 September 1968. [redacted] requested the ICRS Staff prepare a paper on the policy and procedures related to the category 14 targets.

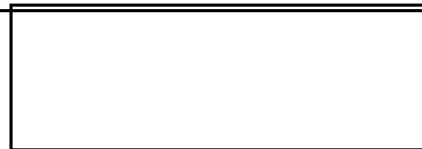
OTHER BUSINESS

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12. China

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[redacted] has expressed an interest in resuming FOOD FAIR Missions due to reported Chinese Communist buildup along the Coast and possible aggression against Taiwan or the offshore islands. The Chairman reviewed the ICRS actions relative to satellite prioritizing that affected this area. [redacted] also asked if any other representatives had any information concerning the reported buildup of Chinese Communist Forces opposite Taiwan. None of the representatives could provide any additional information, however [redacted] said he would check the CIA sources and provide [redacted] any information that was available.

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14. COMIREX Target Listing

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[redacted] requested the members to review their requirements for COMIREX Collection File Listings. At the present time some agencies are getting as many as 5 copies which creates some security control and courier problems since it is such a voluminous report. He also requested all organizations to examine the possibility of accepting a magnetic tape in lieu of the listings. This would expedite ICRS distribution of the listings and provide all organizations the opportunity to reproduce as many listings as are required within each organization.

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Attachments: a/s

[redacted]
Deputy Chairman
Imagery Collection Requirements
Subcommittee

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Attachment No. 1

ICRS-M-14

19 September 1968

MEMORANDUM FOR: Chief, Requirements Division, PPBS/NPIC

SUBJECT : Effect of Short-Arc Technique Experiment on
Intelligence Requirements

1. A proposal by the Mapping, Charting and Geodesy Working Group to utilize the independent operating Dual Independent Stellar Index Camera (DISIC) system of the KH-4B for geodetic positioning of targets through the short-arc technique, was not concurred in by COMIREX for CORONA Mission 1104. The short-arc technique is a method for utilizing the satellite ephemeris to extend from known ground geodetic control areas to the area of the required targets and then again to an area of known control. The ephemeris is adjusted to fit the geodetic ground control which is photographed from these portions of the arc. Several intersecting passes are then reduced simultaneously to form a geometric network over the desired targeting area.

2. In order to accomplish the above it is required that the mission be launched either earlier or later than the normal time so as to provide acceptable lighting conditions on the ascending side of the orbit - depending on type of orbit flown. This would result in a reduction of available solar illumination during the descending portion of the orbit on which intelligence requirements are programmed. This lower solar elevation requires more exposure than would be required under nominal KH-4B operating conditions.

3. Although the primary reason for denying the MC&G request for the short-arc experiment on 1104 was overriding intelligence requirements, one of the contributing factors was lack of general understanding within the COMIREX and its subcommittees of what the actual detrimental effect would be, to the

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Intelligence mission, as a result of the reduced solar illumination. This was especially true of the members of the ICRS who had very little factual information on which to base a recommendation to the COMIREX.

4. Although denying permission for use of the short-arc technique for Mission 1104, the COMIREX recommended that preparation of a proposal for such a mission in the June 1969 time period be prepared. It is anticipated that this proposal will be considered next Spring. In this regard, the ICRS must evaluate the effects on the primary mission and prepare an appropriate recommendation to the COMIREX. Consequently, the NRO/SOC has been requested to develop a specific KH-4B (J-3) orbit designed to employ the short-arc technique and acquire photography of the required targets. It is requested that the NPIC, utilizing the data to be provided by NRO/SOC, prepare an analysis of this mission - as to reduce solar illumination effects/larger slit width - on intelligence photo interpretation - and provide a report to the ICRS by 1 April 1969 which incorporates the following information: (Data on all major target categories should be included and specific comparison between a nominal mission and the special mission in terms of photo interpretation should be made).

a. Estimate of the probability and degree of satisfying the intelligence requirements by the special mission.

b. Effects:

(1) What effect on overall image interpretation can be expected, in terms of resolution degradation, as a result of special mission parameters.

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Attachment No. 1

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(2) What effect on photo interpretation does this have in terms of shadow obscuration, haze, etc.

(3) Effect on ground, air and naval order of battle classification and count.

(4) Effect on USSR/China search requirements.

(5) Effect of film processing levels, to compensate for lower solar elevation, on NPIC photo interpretation, reproduction, etc.

(6) Any other detrimental or beneficial area that should be considered.

5. The above analysis applies to the KH-4B (J-3) system only.

Please feel free to ask for additional information or clarification, if necessary.

Deputy Chairman
Imagery Collection Requirements
Subcommittee

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